DOOSAN Document Transmittal Upper Trishuli-1 HEP (216MW)	Date 2023-07-19	DT No.: UT1-HEP-DHI-PC-D-0196	SHEET 1 OF 1

DOOSAN NEPAL BRANCH OFFICE	Address & Contact No. : Four Square Building, Naxal, Kathmandu, Nepal (P.O Box : 1387) + 977 1 692 3014	Project No. H20002	DOCUMENT DISPATCHED BY Courier Service ☐ Messenger ☐ Post-Air Freight ☐ Document System or E-mail ■ By hand ■
DOCUMENT DISTRIBUTION	■ POWER CHINA (Subcontractor) ☐ Doosan's Site Office		
SUBJECT	Review Note RN-0739_Monitoring Layout Drawing of Desander Basin & Design Change Notification		

S. N.	REVIEW NOTE NO.	REVIEW STATUS	DWG. / DOC. NO.	REV.	DWG. TITLE / DOC. DESCRIPTION	REMARK
1	RN-0739	A	UT1-C-845-CVL-DG-70011	1A	Monitoring Layout Drawing of Desander Basin & Design Change Notification	3 SHEET
2						
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Received by :

Date :

Legend of Review Status
A : APPROVED
AN : APPROVED AS NOTED
RR : RETURN FOR RESUBMISSION
FI : FOR INFORMATION

DHI STAMP

Doosan Enerbility Co., Ltd
DOOSAN Enerbility
Branch Office Nepal

Issued by Doosan Enerbility

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Doosan Enerbility Co., Ltd.

Discipline : Civil

UPPER TRISHULI-1 HEP (216MW)

Client	**Nepal Water and Energy Development Company Private Limited**
Owner's Engineer	**Tractebel Engineering GmbH / Jade Consult**

REVIEW NOTE

Contractor	**Doosan Enerbility**		
Title of the Document	Monitoring Layout Drawing of Desander Basin & Design Change Notification		
Document No.	UT1-C-845-CVL-DG-70011 & DCN-23-C-008	Revision	1A
Date of Documents	17.07.2023	Received Date	17.07.2023
Transmittal Form No.	UT1-HEP-DHI-D-0886		
Previous Review Date/Status	17.07.2023/FC	Prev. Review Note No.	N/A
Review Note No.	**RN-0739**	**Present Review Date**	**18.07.2023**
		Present Review Status	**A**

A: Approved AN: Approved as Noted RR: Returned for Resubmission FI: For Information, only

Comments:

The previous version of the design document under this review has been approved by OE with Review Note *RN-0361*, dated 28.11.2022 and has been submitted by the EPC Contractor "For Construction" with document transmittal *UT1-HEP-DHI-D-0541*, dated 18.12.2023.

The EPC Contractor proposes design changes as per attached design change notification *DCN-23-C-008*, dated 17.07.2023, which has been approved by OE.

No further Comments.

Disclaimer:

Any approval will not release the Contractor from any of his obligations under the Contract. Despite the Engineer's approval the Contractor remains fully responsible for design, calculation, dimensioning, supply, and installation without limitations.

Sebastian Beck, Chief Design Engineer

RN-0739, Annex

DOOSAN	Design Change Notice	DCN No. **DCN-23-C-008**
	UPPER TRISHULI-1 HEP (216MW)	GRADE: A
		PAGE: 1 OF 2

REQUESTER:

■CIVIL ☐ARCHI. ☐MECH. ☐ELEC. ☐I&C ☐PIPING ☐HVAC

☐ Others ( )

☐NWEDC ■O/E

REFERENCE DOCUMENT NO.	REV	REMARKS / TITLE
UT1-C-845-CVL-DG-70011	1A	Monitoring Layout Drawing of Desander Basin

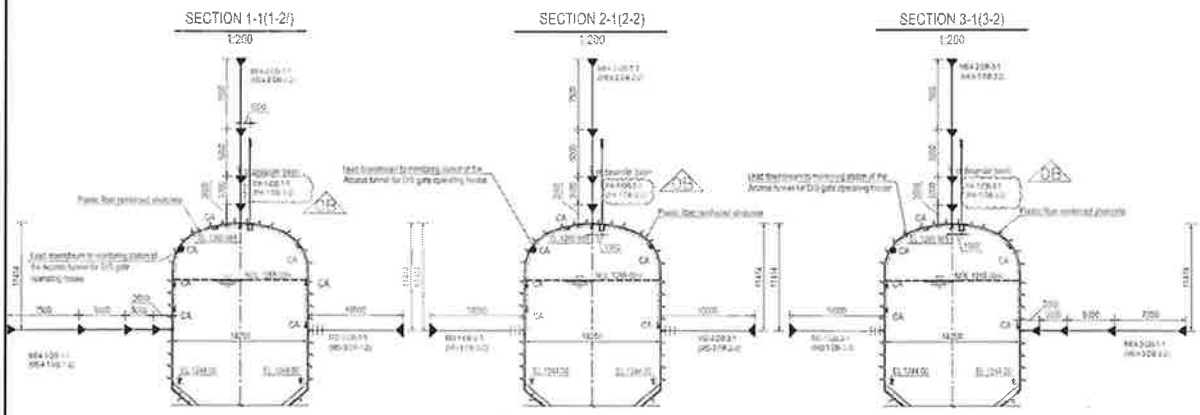
REASONS FOR CHANGE:

In the latest drawing of the Desander Basin, the crown has already been incorporated as per DCN-22-C-029. Therefore, we have updated the monitoring drawing of the Desander Basin to correspond with the latest layout. In addition, as per the latest excavation and support for the Desander Basin, rock bolts have been replaced with rock dowels. As a result, anchor dynamometers (load cells) have been replaced with two-point anchor bar stress meters in the latest revision.

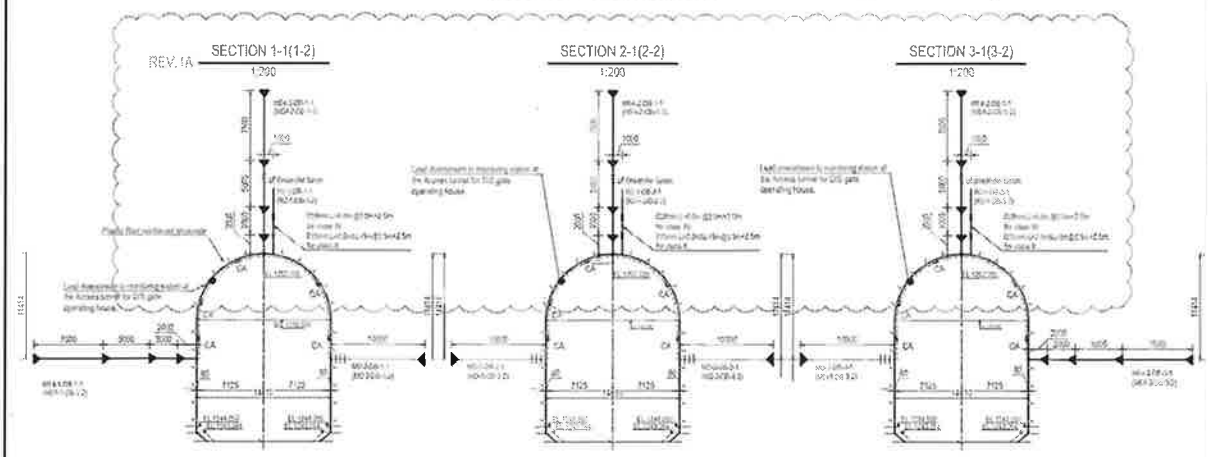
DESCRIPTION OF CHANGE

1. Anchor dynamometer (load cell) is replaced with a two-point anchor bar stress meter.
2. Desander Basin Crown portion is incorporated as per DCN-22-C-029.
3. Please refer to drawing in more detail.

Previous Drawing



Latest Drawing



PREPARED BY: Lv Anning	SIGNATURE:	DATE: July 17, 2023
CHECKED BY: Prem Shankar Singh	SIGNATURE:	DATE: July 17, 2023

ENGINEERING DESCRIPTION: PROPOSED CHANGED ACCEPTED			
CHANGED APPROVED	YES ☒	WITH COMMENT ☐	DISAPPROVED ☐

APPROVED BY: Sebastian Beck	SIGNATURE:	DATE: 18/07/2023

DOCUMENT INCORPORATION (LIST OR DESIGN DOCUMENT(S) REVISED TO INCORPORATE DCN)

DOCUMENT NO.	REV	REMARKS/TITLE
UT1-C-845-CVL-DG-70011	1A	Monitoring Layout Drawing of Desander Basin

Grade A : urgent/major change, Grade B: Major Change but not urgent, Grade C: Minor Change